

# Stream Protection: SVP -- No. 818571

Category **M-NCPPC**  
 Agency **M-NCPPC**  
 Planning Area **Countywide**  
 Relocation Impact

Date Last Modified  
 Previous PDF Page Number  
 Required Adequate Public Facility

October 28, 2005  
 7-276 (04 App)  
 NO

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	987	0	237	750	125	125	125	125	125	125	0
Land											
Site Improvements and Utilities	3,043	0	595	2,448	408	408	408	408	408	408	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	4,030	0	832	3,198	533	533	533	533	533	533	0

## FUNDING SCHEDULE (\$000)

State DNR (P&P only)	99	0	99	0	0	0	0	0	0	0	0
G.O. Bonds	3,871	0	673	3,198	533	533	533	533	533	533	0
Current Revenue: General	60	0	60	0	0	0	0	0	0	0	0

## ANNUAL OPERATING BUDGET IMPACT (\$000)

### DESCRIPTION

As a result of development in urban and suburban watersheds, stream channels are subject to increased storm water flows that result in severely eroded stream banks. This project makes corrective improvements to damaged stream channels and tributaries in stream valley parks and constructs new stormwater management (SWM) facilities. Stream erosion problems include stream sedimentation, destruction of aquatic habitat, undercutting of stream banks and subsequent loss of trees, bike paths, bridges, and other improvements. Rip-rap (large boulders placed along the stream banks) is used in association with reforestation and other stream protection techniques (brush bundles, wing deflectors, root wads, etc.) to prevent continued erosion. Stream protection projects must be examined from a watershed perspective to identify/control the source of problems. (If possible new SWM facilities will be built prior to protecting stream banks; water flows will be controlled and stream banks will return to equilibrium.) Projects require engineering and permitting by Maryland Department of the Environment, the U.S. Army Corps of Engineers, and Montgomery County's Department of Permitting Services. This Project also includes reforestation in stream valley parks.

Projects include, but are not limited to, stream protection in Seneca Creek, Long Branch Creek, Gunner's Branch, Glenallan Avenue tributary of Northwest Branch Creek, Sligo Creek Golf Course tributary to Sligo Creek, SWM facility in Little Bennett Regional Park, Rock Creek at Parklawn group picnic area, and Little Falls Creek below Massachusetts Avenue.

### JUSTIFICATION

The project meets Montgomery County's water quality goals, Chapter 19, Article IV of the Montgomery County Code: to protect, maintain, and restore high quality chemical, physical, and biological conditions in the waters of the State in the County. This project is also supported by the Countywide Stream Protection Strategy developed by Montgomery County's Department of Environmental Protection (DEP). Many County streams flow through lands managed/owned by M-NCPPC. M-NCPPC performs a stewardship role in protection of these streams and protecting improvements, which are threatened by stream erosion.

### Plans and Studies

Comprehensive Watershed Inventories conducted by Montgomery County Department of Environmental Protection with assistance from M-NCPPC.

### Cost Change

Increase due to addition of FY11 and FY12 to this ongoing project.

### STATUS

Stream protection projects in Seneca Creek, Long Branch Creek, and Cabin John Creek are complete.

### OTHER

\* Expenditures will continue indefinitely.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
Initial Cost Estimate		1,400
First Cost Estimate		
Current Scope	FY98	5,971
Last FY's Cost Estimate		3,244
Present Cost Estimate		4,030
Appropriation Request	FY07	533
Appropriation Req. Est.	FY08	533
Supplemental Appropriation Request	FY06	0
Transfer		0
Cumulative Appropriation		832
Expenditures/		
Encumbrances		194
Unencumbered Balance		638
Partial Closeout Thru	FY04	5,095
New Partial Closeout	FY05	592
Total Partial Closeout		5,687

### COORDINATION

The Commission coordinates stream monitoring, stream protection and SWM projects with the Montgomery County Department of Environmental Protection.

National Capital Planning Commission for Capper-Cramton Funded Parks.

State and County Department of Transportation, as required.

State Dept. of Natural Resources  
 Montgomery County Department of Environmental Protection, PDF 733759.

Utility rights-of-way coordinated with WSSC and other utility companies where applicable.

U.S. Army Corps of Engineers  
 Metropolitan Washington Council of Governments

M-NCPPC asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### MAP

